

IN THE CLAIMS:

1. (Canceled)

2. (Currently Amended) A stent delivery system according to claim [[12]]20, wherein the second cylindrical member includes at least one X-ray chip recognized at the time of irradiation with an X-ray and disposed in a position where the stent is charged.

3. (Previously Presented) A stent delivery system according to claim 2, wherein the X-ray chip having a projection extending radially from an outer surface of the second cylindrical member.

4. (Previously Presented) A stent delivery system according to claim 3, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and configured to be fixed to the forceps channel of the endoscope by friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

5. (Previously Presented) A stent delivery system according to claim 3, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and configured to be fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

6. (Previously Presented) A stent delivery system according to claim 3, wherein the holding mechanism includes:

a holder configured to be attached to and disposed on the endoscope; and
a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state.

7. (Previously Presented) A stent delivery system comprising:

a first cylindrical member configured to be inserted into a forceps channel of an endoscope, the first cylindrical member including a through hole having a central axis;

a second cylindrical member inserted into the through hole of the first cylindrical member and capable of advancing/retracting with respect to the first cylindrical member, the second cylindrical member including a holding mechanism for holding a relative position of the second cylindrical member with respect to the forceps channel of the endoscope; and

a stent which is attached between the first and second cylindrical members in a state where a diameter of the stent is reduced by the first cylindrical member and which expands when the first cylindrical member is removed;

wherein the second cylindrical member includes at least one X-ray chip recognized at the time of irradiation with an X-ray and disposed in a position where the stent is charged, the X-ray chip having a projection extending radially from an outer surface of the second cylindrical member; the holding mechanism includes a holder configured to be attached to and disposed on the endoscope and a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state; and

the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the second cylindrical member.

8. (Original) A stent delivery system according to claim 2, wherein static and dynamic frictions between the stent and the outer peripheral surface of the second cylindrical member are larger than the dynamic friction between the stent and the inner peripheral surface of the first cylindrical member.

9. (Previously Presented) A stent delivery system according to claim 8, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and configured to be fixed to the forceps channel of the endoscope by friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

10. (Previously Presented) A stent delivery system according to claim 8, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and configured to be fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

11. (Previously Presented) A stent delivery system according to claim 8, wherein the holding mechanism includes:

a holder configured to be attached to and disposed on the endoscope; and

a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state.

12. (Currently Amended) A stent delivery system comprising:

a first cylindrical member configured to be inserted into a forceps channel of an endoscope, the first cylindrical member including a through hole having a central axis;

a second cylindrical member inserted into the through hole of the first cylindrical member and capable of advancing/retracting with respect to the first cylindrical member, the second cylindrical member including a holding mechanism for holding a relative position of the second cylindrical member with respect to the forceps channel of the endoscope; and

a stent which is attached between the first and second cylindrical members in a state where a diameter of the stent is reduced by the first cylindrical member and which expands when the first cylindrical member is removed;

wherein the second cylindrical member includes at least one X-ray chip recognized at the time of irradiation with an X-ray and disposed in a position where the stent is charged;

static and dynamic frictions between the stent and the outer peripheral surface of the second cylindrical member are larger than the dynamic friction between the stent and the inner peripheral surface of the first cylindrical member;

the holding mechanism includes a holder configured to be attached to and disposed on the endoscope and a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state; and

the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the second cylindrical member.

13. (Previously Presented) A stent delivery system according to claim 2, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and configured to be fixed to the forceps channel of the endoscope by friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

14. (Previously Presented) A stent delivery system according to claim 2, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and configured to be fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

15. (Canceled)

16. (Previously Presented) A stent delivery system comprising:

a first cylindrical member configured to be inserted into a forceps channel of an endoscope, the first cylindrical member including a through hole having a central axis;

a second cylindrical member inserted into the through hole of the first cylindrical member and capable of advancing/retreating with respect to the first cylindrical member, the second cylindrical member including a holding mechanism for holding a relative

position of the second cylindrical member with respect to the forceps channel of the endoscope; and

a stent which is attached between the first and second cylindrical members in a state where a diameter of the stent is reduced by the first cylindrical member and which expands when the first cylindrical member is removed;

wherein the second cylindrical member includes at least one X-ray chip recognized at the time of irradiation with an X-ray and disposed in a position where the stent is charged;

the holding mechanism includes a holder configured to be attached to and disposed on the endoscope and a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state; and

the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the second cylindrical member.

17-19. (Canceled)

20. (Previously Presented) A stent delivery system comprising:

a first cylindrical member configured to be inserted into a forceps channel of an endoscope, the first cylindrical member including a through hole having a central axis;

a second cylindrical member inserted into the through hole of the first cylindrical member and capable of advancing/retreating with respect to the first cylindrical member, the second cylindrical member including a holding mechanism for holding a relative position of the second cylindrical member with respect to the forceps channel of the endoscope; and

a stent which is attached between the first and second cylindrical members in a state where a diameter of the stent is reduced by the first cylindrical member and which expands when the first cylindrical member is removed;

wherein the holding mechanism includes a holder configured to be attached to and disposed on the endoscope and a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state; and

the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the second cylindrical member.

21. (Previously Presented) A stent delivery system according to claim 12, wherein at least the outer peripheral surface of the tip end of the first cylindrical member is coated with a hydrophilic lubrication.

22. (Previously Presented) A stent delivery system according to claim 12, wherein the second cylindrical member includes a tip-end chip coated with a hydrophilic lubrication on the tip end.

23-46. (Cancelled)

47. (Previously Presented) An indwelling method for a stent using a stent delivery system comprising:

a first cylindrical member configured to be inserted into a forceps channel of an endoscope, the first cylindrical member including a through hole having a central axis;

a second cylindrical member inserted into the through hole of the first cylindrical member and capable of advancing/retreating with respect to the first cylindrical member, the second cylindrical member including a holding mechanism for holding a relative

position of the second cylindrical member with respect to the forceps channel of the endoscope; and

a stent which is attached between the first and second cylindrical members in a state where a diameter of the stent is reduced by the first cylindrical member and which expands when the first cylindrical member is removed;

the method comprising the steps of:

introducing the first cylindrical member and the second cylindrical member inserted inside the first cylindrical member to a target portion through the forceps channel of the endoscope while regulating expansion of the stent, which is a self-expansion type stent, charged over the second cylindrical member by the first cylindrical member;

holding a relative position between the holding mechanism, which is attached to and disposed on the endoscope, and the second cylindrical member to regulate the movement of the second cylindrical member;

pulling the first cylindrical member relative to the second cylindrical member, and expanding the stent to indwell the stent in the target portion; and

releasing the regulation of the second cylindrical member to pull the second cylindrical member together with the first cylindrical member from the forceps channel of the endoscope.

48-50. (Canceled)

51. (Previously Presented) A stent delivery system according to claim 7, wherein at least the outer peripheral surface of the tip end of the first cylindrical member is coated with a hydrophilic lubrication.

52. (Previously Presented) A stent delivery system according to claim 16, wherein at least the outer peripheral surface of the tip end of the first cylindrical member is coated with a hydrophilic lubrication.

53. (Previously Presented) A stent delivery system according to claim 20, wherein at least the outer peripheral surface of the tip end of the first cylindrical member is coated with a hydrophilic lubrication.

54. (Previously Presented) A stent delivery system according to claim 7, wherein the second cylindrical member includes a tip-end chip coated with a hydrophilic lubrication on the tip end.

55. (Previously Presented) A stent delivery system according to claim 16, wherein the second cylindrical member includes a tip-end chip coated with a hydrophilic lubrication on the tip end.

56. (Previously Presented) A stent delivery system according to claim 20, wherein the second cylindrical member includes a tip-end chip coated with a hydrophilic lubrication on the tip end.